



XVIII Corps & Fort Bragg

Blended Training Model for Company and below size formations

2011 Maneuver Conference
"21st Century Training for the Maneuver Force"
13 September 2011



Briefing Agenda

A- Fort Bragg Company level Live / Virtual / Constructive / Gaming Overview

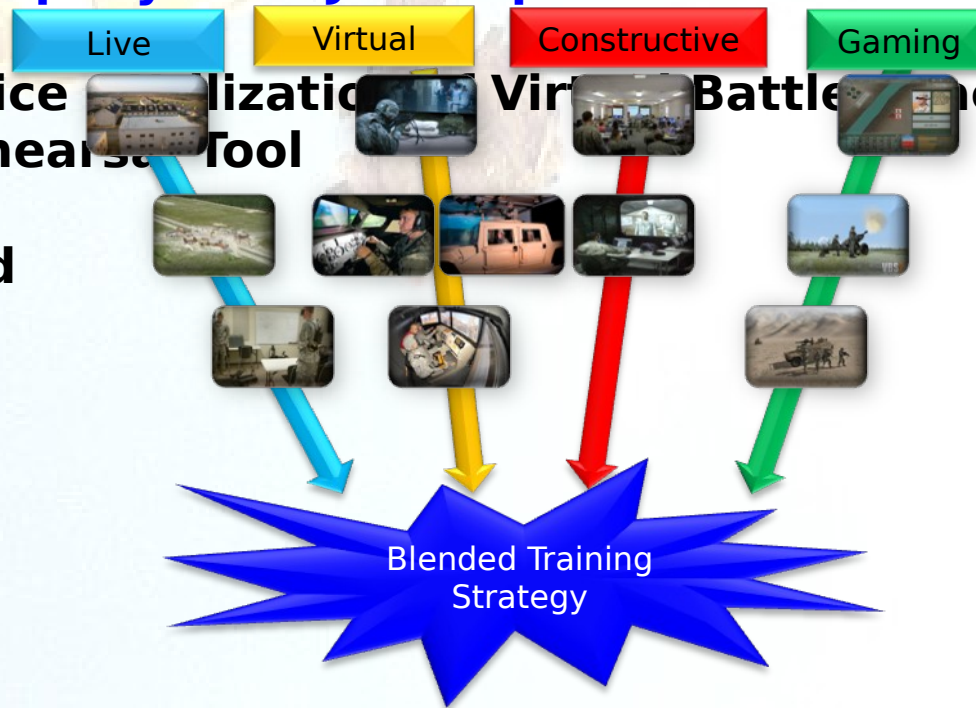
B- Company level Blended Training

- 1. Company level Combined Arms Maneuver Live Fire Exercise**
- 2. Company level Counter-Insurgency Operations Training**
- 3. Company level Joint Operational Access Training**

C- Best Practice Utilization of Virtual Battle Space 2 (VBS2) as a Mission Rehearsal Tool

D- Way Ahead

E- Comments





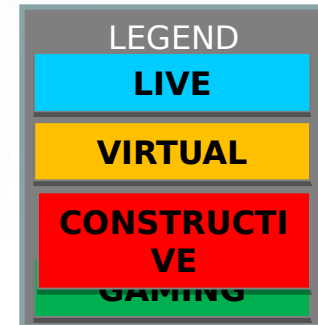
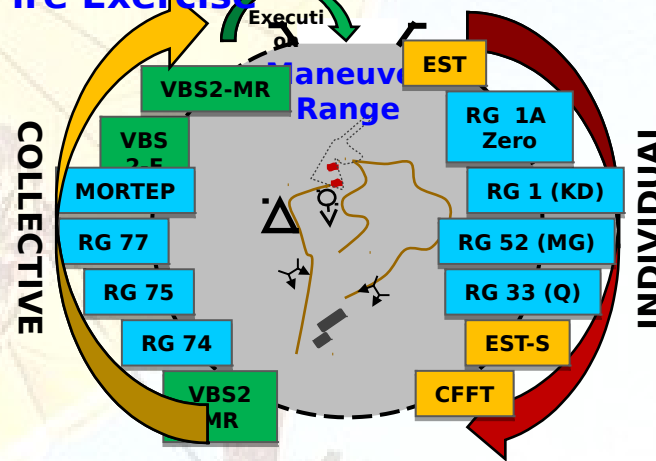
Fort Bragg Company level L,V,C,G Overview

	Mission Command	Movement and Maneuver		Intelligence	Fires	Sustainment	Protection
Live	CPOF FBCB2 BFT	Pistol (6) Zero RG (11) KD (1) Qual RG (6) M-Gun RG (9) Field-fire (1) MOUT (5) Shoot House (3) Convoy L-Fire (5) Sniper (2) Demo (3) Urban Assault (2) SQ/TM L-Fire(6) Grenade (4)	Multi-Purp (1) Shotgun (1) MK-19 (2) Drop Zone (7) UAS Strip (2) EOF HSTL PDTE Fleet Counter-IED Robotics Jumpmaster Site Exploit (SE) UXO Awareness Mine Hound	CIDNE ASAS DSGS TIGR ColST COIC Tools AF/PAK Language AF/PAK Culture Biometrics Tactical Question	Ranges CREW	TC3 AMO	MET HEAT
Virtual	VRCT	VRCT CDT RVTT VRCT EST	TOW BST Javelin BST	HCC	CFFT	AVCATT TBOS TFPS LCT ABHFS	IMTS
Constructive		IEW/TPT		IEW/TPT			
Gaming	VBS2 Co TOCEX	VBS2			VBS2 Fires		VBS2

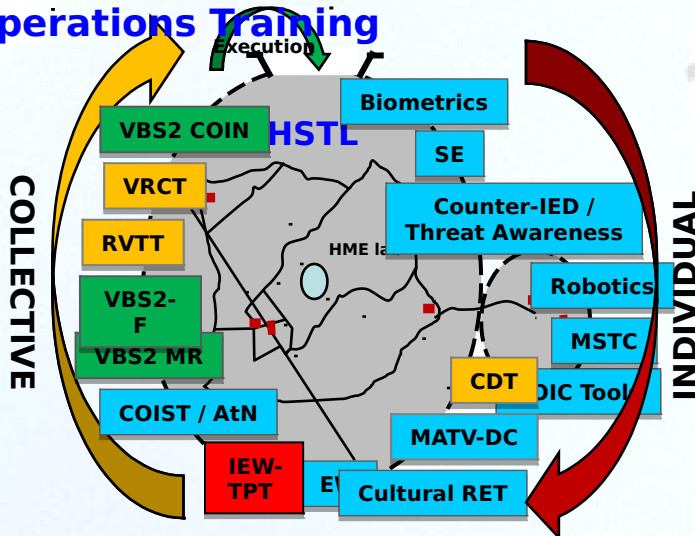


Company Level Blended Training Examples

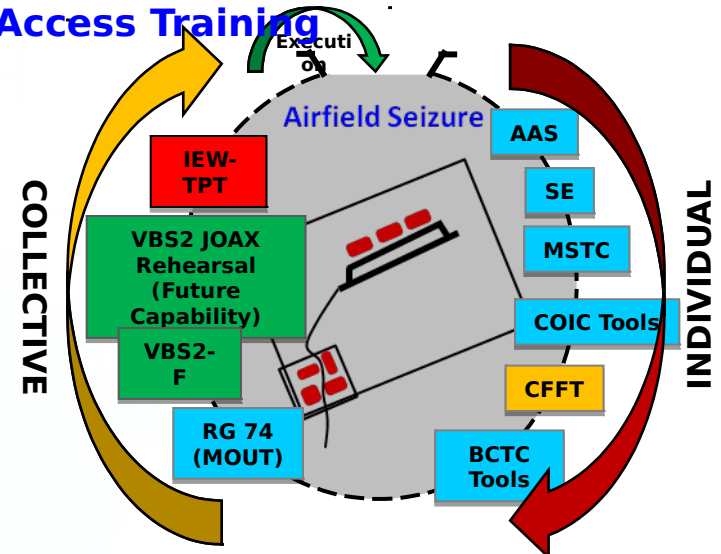
Company level Combined Arms Maneuver Live Fire Exercise



Company level Counter-Insurgency Operations Training

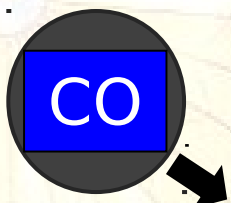


Company level Joint Operational Access Training





Combined Arms Maneuver Live Fire Exercise (CAMLFLX)



Blended Training
Execute Live Fire Event

Maneuver Range

LEGEND

- LIVE
- VIRTUAL
- CONSTRUCTIVE
- GAMING

Virtual Battle Space 2 Mission Rehearsal

Virtual Battle Space 2 FIST Certification (VBS2-Fires)

Mortar Training and Evaluation Program (OP13 & OP8)

Movement to Contact Live Fire (RG 77)

Collective Urban Assault Training (RG 74)

Advanced Rifle Marksmanship (RG 75)

Virtual Battle Space 2 Mission Rehearsal

Battle Drill Rehearsals (AREA-J)

Engagement Skills Trainer (EST)

Zero Range (RG 1A)

Known Distance Marksmanship (RG 1)

Machine Gun Leaders Course (RG 52)

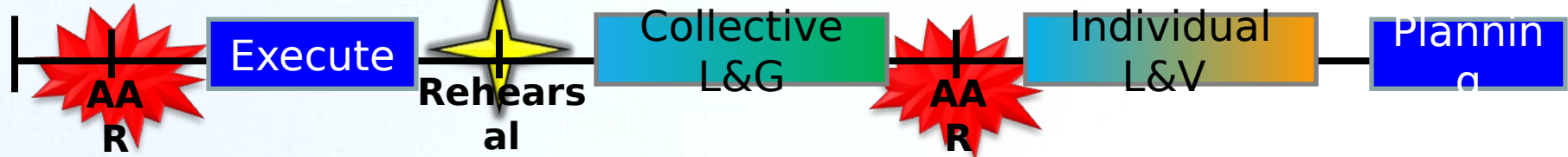
Basic Rifle Marksmanship Qualification (RG 33)

Engagement Skills Trainer Scenarios (EST-S)

Call For Fire Trainer (CFFT)

Collective Training Tasks

Individual Training Tasks





Company Level Counter Insurgency (COIN)

Exercise

Blended
Training

Execute Live

COIN Event

Home Station

Training Lanes

CO

Virtual Battle Space 2
(COIN Exercise)

Virtual Route Clearance Trainer
(VRCT)

Reconfigurable Vehicle Tactical Trainer
(RVTT) Custom Show 22

Virtual Battle
Space 2 FIST
(VBS2-Fires)

Virtual Battle Space 2
Mission Rehearsal

Company Intelligence Support Team/Attack the Network
(CoIST / AtN)

Intelligence Electronic
Warfare Tactical
Proficiency Trainer
(IEW-TPT)

Electronic Warfare

MRAP-All Terrain Vehicle (MATV)
Driver's Course

Cultural Regional Expertise Team
(RET) Training

Biometrics

Site Exploitation

Counter-IED /Threat Awareness

Robotics

Medical Simulation Training Center
(MSTC)

Counter IED Operations/Intelligence Integration Center
(COIC) Tools

Common Driver Trainer
(CDT)

Collective
Training Tasks

Individual
Training Tasks



Execute



Collective
L&G



Individual
L&V

Planning



Company Team Joint Operational Access Exercise (JOAX)

Blended
Training

CO

Execute Company Team

JOAX

Airfield Seizure

Intelligence Electronic Warfare Tactical
Proficiency Trainer
(IEW-TPT)

Virtual Battle Space 2: JOAX
Rehearsal (Future Capability)

Virtual Battle Space 2 FIST
Certification (VBS2-Fires)

Military Operations on Urban Terrain (MOUT)
Range 74/75

Maneuver and Battle Drill
Rehearsals (AREA-J)

Advanced Airborne School
(AAS)

Site Exploitation (SE)

Medical Simulation Training Center (MSTC)

Counter IED Operations Integration Center
Tools Training (COIC Tools)

Call For Fire Trainer (CFFT)

Battle Command
Training Center
(BCTC) Tools

LEGEND

LIVE

VIRTUAL

CONSTRUCTIVE
GAMING

Collective
Training Tasks

Individual
Training Tasks





VBS2 Mission Rehearsal Tool

A- 1st Brigade Combat Team, 82nd Airborne Division conducted a Company level Combined Arms Live Fire Exercise (CAMLFLX) and a Fire Support Control Exercise (FSCX) utilized VBS2 as the Combined Arms Rehearsal method prior to conducting the Live Fire Exercise. Exercises included 1-504 PIR, 2-504 PIR, 3-73 RSTA and 3-319th AFAR

B- Virtual rehearsals included the following key leaders:

- Brigade Commander (Oversight)
- Battalion Commanders
- Battalion FSO / FSNCOs
- Co Commanders
- Co FSO / FSNCO
- Platoon Leaders
- Platoon FOs

C- Brigade and Battalion Commanders were able to monitor the rehearsal of the company, provide feedback, alter scenarios and coach-teach-mentor utilizing a virtual environment.

C- Integration of VBS2 Fires was utilized to rehearse Fires synchronization and embedded into the rehearsal

D- Fort Bragg training ranges were mapped into VBS2 to include structures, slope, obstacles and road networks to accurately depict the environment at the maneuver live fire range



1st BCT, 82nd Airborne Division Fire Support Coord Exercise



Day Attack (OP 13)

- IN CO conducts a deliberate attack on OP13. Movement to the OBJ is conducted utilizing echelonment of fires with available fire support assets.
- Companies prepare fire plans to utilize appropriate assets based off maneuver plan and MSDs of available assets

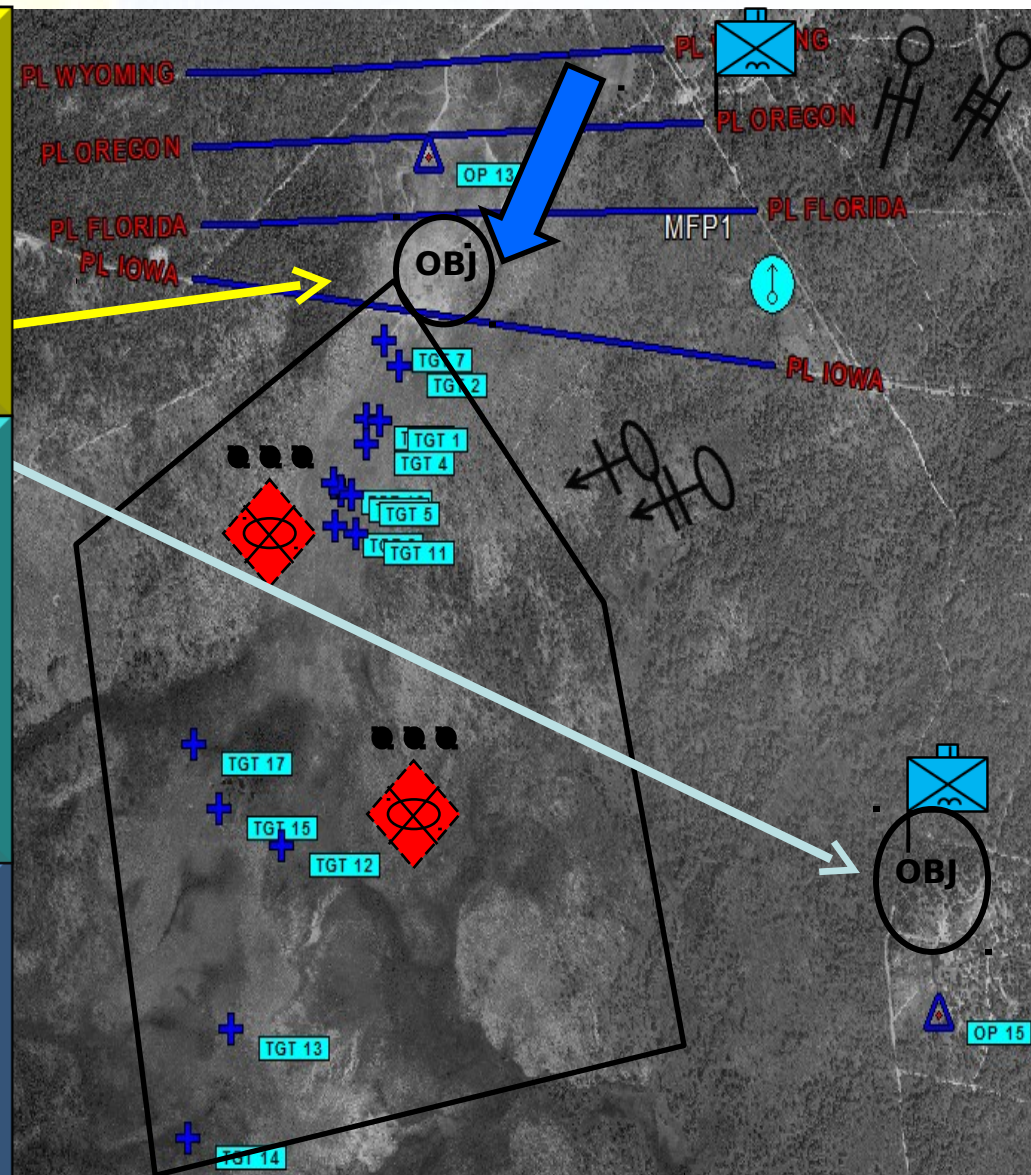
Night Defend (OP 13 / 15)

- 2 x IN CO plan defense, to include Engagement Area (EA) Development and synchronize defenses to support EA engagement
- CAS/Attack Aviation attack deep as the enemy begins its attack.
- Indirect Fires used on the enemy approach based on MSDs. FOs use trigger points to initiate fires.

- Final indirect fires culminated with FPF.

ASSETS AVAILABLE

- 2 x 60mm MTR (CO)
- 4 x 81mm MTR (BN) (1-504th / 2-504th)
- 4 x 120mm MTR (BN) (3-73)
- 4 x 105mm HOW (B/3-319 AFAR)
- 3 x 155mm HOW (B/3-321st)
- US Army Attack Aviation (Notional)
- USMC Close Air Support (F-18 / AV-8B)



Fire Support Control Exercise (FSCX) Video VBS2 Rehearsal & Live Fire





What we would like in the future....



A- Mission Rehearsal Tool for Forcible Entry Operations (Airfield Seizure) for Brigade Combat Team with enablers and a HICOM.

1- Joint Virtual Combined Arms Rehearsal to include:

- USAF Assets (Transport and Attack/Recon)
- Pre-Assault Fires
- Enroute Mission Planning Sequences / Contingencies
- Connectivity of other devices (AVCATT/CFFT/VBS2

Fires/TOW/Javelin)

- ISR feeds embedded into Rehearsal
- Virtual Rehearsal of Primary and Secondary Objectives
- Rehearsal in day / night and various weather conditions